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(12) **ABSTRACT OF INVENTION**

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(54) **OZONE-NONINJURIOUS WORKING FLUID**

(57) Abstract:

FIELD: refrigeration engineering.
SUBSTANCE: working fluid for refrigeration systems and heat pumps includes (in ml %) tetrafluoroethane, 1-94; C₃-C₅- hydrocarbon, 5-80; and a fluorinated unsaturated hydrocarbon of propylene series with general formula C₃F_nH_(6-n) in which n varies in the range 1 to 6, 1-94. Use of such a fluid essentially increases specific volumetric capacity with invariable energy efficiency and pressure difference in refrigeration system and heat pumps. At the same time, this working medium makes possible lowering boiling temperature with excessive pressure, for example, in refrigeration systems operated below 250 K. EFFECT: improved performance characteristics. 3 cl, 2 dwg, 4 tbl

